U.S. DEPARTMENT OF COMMERCE
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SEARCH REQUEST FORM

Requestor's Name: Joe Weiss

Serial Number: 08/809,703 ~~08/555,420~~

Date: 7 Aug 98 Phone: 305-0323 Art Unit: 3735

Search Topic: Respiration Analysis

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Info Requirements

Silkoff, McClean et al. (Philip) (Patricia) — Inventor Names

Analyzers for various components of Breath, Mechanical means to seal off a cavity, use of analysis for Diagnosis of Disease — What is Known

U - Analyze Breath for NO levels
F - Seals off Nasal cavity to bet tene ~~NO~~ Pulmonary NO level
D - Disease Diagnosis — Use, Invention Benefit

Use of back pressure from respirator conduit to seal off Nasal cavity by causing Velum closure — Novel

Search Terms: Detect, sense, Analyze etc; NO, CO_2; Partial Pressure; Velum or Vellum or Soft palate, Nasal cavity, Pulmonary bus, Breath Exhalant

Class 600 subs 529,532

Class 128 subs 200.26, 204.22, 204.23, 207.15

Relevant Paper Attached

STAFF USE ONLY

Date completed: 8-12-98

Searcher: Khoon

Terminal time: 10 minutes

Elapsed time:

CPU time:

Total time: 1 hour 10 minutes

Number of Searches: 1

Number of Databases: 5

Search Site
- STIC
- CM-1
- Pre-S

Type of Search
- N.A. Sequence
- A.A. Sequence
- Structure
- Bibliographic

Vendors
- IG Suite
- STN
- Dialog
- APS
- Geninfo
- SDC
- DARC/Questel
- Other

PTO-1590 (8-98)

References To Silkoff on nitric Oxide

L45 ANSWER 1 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS
AN 98:192151 BIOSIS
DN 01192151
TI The dose response of the fall in exhaled nitric oxide after inhaled steroid in asthma.
AU **Silkoff P**; Caramori M; McClean P; Slutsky A S; Zamel N
CS Div. Respiratory Med., Univ. Toronto, Toronto, ON, Canada
SO Annual Congress of the European Respiratory Society, Berlin, Germany, September 20-24, 1997. European Respiratory Journal Supplement 10 (25). 1997. 158S-159S. ISSN: 0904-1850
DT Conference
LA English

L45 ANSWER 2 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS
AN 98:153123 BIOSIS
DN 01153123
TI Measurement of pulmonary exhaled nitric oxide: Relationship to exhalation rates and inline versus bag collection techniques.
AU Kissoon N; **Silkoff P**; Murphy S; Blake K; Cancel D; Taylor C
CS Univ. Fla., Nemours Children's Clinic, Gainesville, FL, USA
SO Meeting of the Western Section of the American Federation for Medical Research, Carmel, California, USA, February 5-7, 1998. Journal of Investigative Medicine 46 (1). 1998. 151A. ISSN: 1081-5589
DT Conference
LA English

L45 ANSWER 3 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:117347 BIOSIS
DN 99416550
TI Marked flow-dependence of exhaled nitric oxide using a new technique to exclude nasal nitric oxide.
AU **Silkoff P E**; McClean P A; Slutsky A S; Furlott H G; Hoffstein E; Wakita S; Chapman K R; Szalai J P; Zamel N
CS Mt. Sinai Hosp., Rm. 656, 600 University Avenue, Toronto, ON M5G 1X5, Canada
SO American Journal of Respiratory and Critical Care Medicine 155 (1). 1997. 260-267. ISSN: 1073-449X
LA English

L45 ANSWER 4 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:57052 BIOSIS
DN 99356255
TI Exhaled lung nitric oxide measured at a fixed low flow rate is high in asthma and falls after inhaled steroid.
AU **Silkoff P**; Wakita S; Caramori M; Macclean P; Slutsky A S; Zamel N
CS Div. Respiratory Med., Univ. Toronto, Toronto, ON, Canada
SO Annual Congress European Respiratory Society, Stockholm, Sweden, September 7-11, 1996. European Respiratory Journal Supplement 9 (23). 1996. 14S. ISSN: 0904-1850
DT Conference
LA English

L45 ANSWER 5 OF 12 BIOSIS COPYRIGHT 1998 BIOSIS
AN 96:95536 BIOSIS
DN 98667671
TI Nasal nitric oxide excretion and the change in nasal minimal cross sectional area to local L-NAME administration-preliminary results.
AU **Silkoff P**; Roth Y; Cole P; Chapnik J; Zamel N
CS Dep. Med., Fac. Med., Univ. Toronto, Toronto, ON, Canada
SO Annual Congress of the European Respiratory Society, Barcelona, Spain, September 16-20, 1995. European Respiratory Journal 8 (SUPPL. 19). 1995. 139S. ISSN: 0903-1936

DT Conference
LA English

L1	82	S	BREATH ANALYZER OR BREATHALYZER
L2	75	S	L1 AND (NO OR NITRIC OXIDE)
L3	0	S	L2 AND VELLUM
L4	0	S	L2 AND GLOTTIS
L5	298	S	VELLUM
L6	2	S	L5 AND GLOTTIS
L7	0	S	L2 AND MOUTH PRESSURE
L8	0	S	L2 AND MOUTH (5W) PRESSURE
L9	918	S	MOUTH (5W) PRESSURE
L10	0	S	L9 AND (BREATH ANALYZER OR BREATHALYZER)
L11	73	S	L9 AND BREATH
L12	16	S	L11 AND ANALYSIS
L13	15	S	L12 AND (NO OR NITRIC OXIDE)